Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/07/2018 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124389	-1	1.41	124430	1.44
Blue	F	SSC	125000	123614	-2	1.76	124177	1.76
Blue	E	FITC	15760	15448	-2	3.03	334	23.05
Blue	D	PE	25880	25402	-2	1.97	550	17.40
Blue	B	PerCP-Cy5-5	34075	33603	-2	4.22	1028	22.65
Blue	A	PE-Cy7	22776	22756	-1	7.26	546	45.35
Red	C	APC	42488	41579	-3	2.71	1574	13.42
Red	A	APC-Cy7	24478	24088	-2	2.79	830	13.03
Violet	B	V450	6304	6091	-4	4.19	360	16.52
Violet	A	V500	26005	24882	-5	3.83	587	12.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20302	6.27	607	10	N/A	N/A	Pass
Blue	F	SSC	56666	1.24	574	19	N/A	N/A	Pass
Blue	E	FITC	58	77.66	563	7	0.0153	244	Pass
Blue	D	PE	116	58.95	557	8	0.1175	289	Pass
Blue	B	PerCP-Cy5-5	195	57.60	655	8	0.0076	146	Pass
Blue	A	PE-Cy7	109	110.24	708	11	0.0091	24	Pass
Red	C	APC	378	27.68	602	2	0.0194	103	Pass
Red	A	APC-Cy7	204	28.61	571	0	0.0046	941	Pass
Violet	B	V450	60	70.71	491	2	0.0286	2217	Pass
Violet	A	V500	87	44.16	507	1	0.0133	966	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.48	-30.71	0.93
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	15.90	13.60 - 20.40	N/A	N/A	30.58	31.25	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10205

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments